Public Works (1897) Department.

G.O., No. 361-62 D

DATED 13 April 1897

[Despatch Abstract.]

12th Branch Channel, Periyar Project.

Estimate of Rs. 14,500 for works connected with the distributaries of the —, sanctioned and a copy of the Pros: ordered to be forwarded to the Govt of India

12th Branch Channel, Periyar Project.

Forwarding Pros. sanctioning an estimate of Rs. 14,500 for works connected with the distributaries of the —.

Indexed 14/4

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 361, 362 I., 13th April 1897.

APRIL.

XII Branch Channel, Periyar Project

Forwarding Proceedings sanctioning an estimate of Rs. 14,500 for works connected with the distributaries of the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From Lieut.-Col. O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 12th February 1897, No. 209 M.D.

I have the honour to forward, for sanction, the marginally-noted estimates, together with plans, for works connected with the distributaries of the XII Branch channel, Periyár Works. A statement attached to each estimate gives the necessary hydraulic information, &c.

	RS.
(1) No. 3 Distributary channel from the left sluice of drop No. 5 at 1 mile 1,620 feet, XII Branch channel, estimate	3,570
(2) No. 4 Distributary channel from the right sluice of drop No. 6 at 2 miles and 140 feet, XII Branch channel, estimate	5,070
(3) No. 7 Distributary channel from the proposed head-sluice at 5 miles 4,100 feet, XII Branch channel, estimate ...	3,220

ENCLOSURES.

REPORT to accompany estimate for No. 3 Distributary from the left sluice of drop No. 5, XII Branch channel.

Amount of estimate ... ... RS. 3,570

The distributary will irrigate the dry lands on either side and the ayacut of Kakkanikulam, which it will supply.

It is designed with M.W.L. to carry in two weeks a three months' supply to the tank, while supplying current needs. This will irrigate 400 acres of dry land and will be maintained.

The works will be carried out in accordance with the specifications and best practice in the department.

REPORT to accompany estimate for No. 4 Distributary from the right sluice of drop No. 6 at 2 miles 140 feet, XII Branch channel.

Amount of estimate ... ... RS. 5,070

The distributary will irrigate the dry lands on either side and the ayacut of Periamelam kommoyi, which it will supply.

It is designed with M.W.L. to carry in two weeks a three months' supply to the tank, while supplying current needs. It also supplies Puliangulam, for which a masonry sluice at 0 mile 4,500 feet is designed and will be maintained.

The work will be carried out in accordance with the specifications and the best practice of the department.

REPORT to accompany estimate for No. 7 Distributary from the proposed head-sluice at 5 miles 4,100 feet, XII Branch channel.

Amount of estimate ... ... RS. 3,220

The distributary will irrigate the dry lands on either side and the ayacut of Sattamangalam kommoyi, which it will supply and which will be maintained.

It is designed with M.W.L. to carry in two weeks a three months' supply to the tank, while supplying current needs. The distributary is proposed to be maintained.

The work will be carried out in accordance with the specifications and the best practice in the department.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Works.

No. 89 I.

Note by the Chief Engineer for Irrigation.

No. 3 Distributary channel from the left sluice of drop No. 5 at 1 mile 1,620 feet, XII Branch channel.

No. 4 Distributary channel from the right sluice of drop No. 6 at 2 miles 140 feet, XII Branch channel.

No. 7 Distributary channel from the proposed head-sluice at 5 miles 4,100 feet, XII Branch channel.

The marginally-noted estimates are submitted to Government for sanction. As there is no provision for distributaries in the sanctioned estimate for the project, the works must be regarded as supplementary.

The channels, though only 3 feet wide, are very expensive owing to the large number of drops. Thus No. 3, which has a length of 6,300 feet and will irrigate 400 acres, has 5 drops; No. 4,9,000 feet long for the irrigation of 720 acres, has 7 drops; and No. 7, 7,300 feet long for the irrigation of 600 acres, has 4 drops. The cost of the distributaries comes to Rs. 7 per acre. Apparently this cannot be helped, but instructions will be given to study economy as far as possible. The cost of the larger channels will be proportionately smaller.

MADRAS,
20th March 1897.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Office-note to the Examiner, Public Works Accounts, Madras, dated 24th March 1897, No. 88.

The construction estimate for the Periyár project will be closed on the 31st instant. As it is essential that the estimates for distributaries connected with the project should be sanctioned without delay, please let me know if the local Government can deal with the estimates under Code II, chapter V., paragraph 35, rule V, before the schedule prescribed in rule III of the above paragraph is submitted to, and approved by, the Government of India.

2. If a definite reply cannot be given, a reference by wire to the Accountant-General, Public Works Department, is suggested as the matter is urgent.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Office-note from the Examiner, Public Works Accounts, Madras, dated 29th March 1897, No. 1032 D/B.

The rules on the subject being indefinite, I have addressed the Accountant-General, Public Works Department, by wire, and his reply is that " Local Governments may sanction additional new works, Periyár project, before submission of schedule " referred to in rule III of paragraph 35 of Code II, V, quoted by you.

ORDER—No. 361 I., dated 13th April 1897.

The following estimate is sanctioned :—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Periyár Project.
Open Capital Account.
Remunerative Work.
3. Distributaries.
XII Branch Channel.

No. 3 Distributary from left sluice of Drop No. 5.

		RS.	RS.
2. Land—Compensation for land		193	
4. Falls and weirs—Five 6 ft. drops		1,950	
12. Earthwork—Excavation		1,187	
15. Miscellaneous—Eight 6″ pipe sluices ...		240	
		3,570

No. 4 Distributary from the right sluice of Drop No. 6 at 2 miles 140 feet.

	RS.	RS.	
2. Land—Compensation for land		304	
4. Falls and weirs—Three 4½ ft. drops ...	990		
Four 7 ft. drops	1,680		
		2,670	
12. Earthwork—Excavation	1,496		
Cart ramp	10		
		1,506	
15. Miscellaneous—Fifteen 6″ pipe sluices ...	450		
Irrigation sluice at 0 mile 4,000 ft.	140		
		590	
			5,070

No. 7 Distributary from proposed head-sluice at 5 miles and 4,100 feet.

	RS.	RS.	RS.
2. Land—Compensation for land		218	
4. Falls and weirs—Four 7 feet drops ...		1,680	
12. Earthwork—Excavation		902	
15. Miscellaneous—Nine 6″ pipe sluices ...	270		
One head-sluice	150		
		420	
			3,220

Total, I. Works	11,860
II. Establishment	2,563
III. Tools and plant	77
Total Estimate ...	14,500

2. This sanction is registered as No. 6 I. of 1897-98 and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 362 I., dated 13th April 1897.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with 49 enclosures.
" Examiner, Public Works Accounts.

Endorsement—No. 362 I., dated 13th April 1897.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. Md. Pahilvan.

12th Branch Channel of the Periyar Project estimates for distributaries

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

No. 361 I of 13-4-97

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Supg:Engineer, VI circle, NO:209. MD. dated 12th February 1897
Note by the Chief Engineer for Irrign:NO: 89. I. dated 20th March 1897
Office Note to Examiner, P. W. Accts: NO: 88. dated 24th March 1897
--- DO --- from ---- DO -------- NO: 1032. D/B. dated 29th March 1897.

The following estimate is sanctioned:-

Capital Expenditure not charged to Revenue.

49. Irrigation.

Periyar Project.

Open Capital Account.

Remunerative Work

3. Distributaries.

12th Branch Channel.

NO:3. Distributary from left sluice of Drop NO:5.

2. Land- Compensation for land-------	193	193	
4. Falls & Weirs-Five 6ft: drops---	1950	1950	
12. Earthwork- Excavation	1187	1187	
15. Miscellaneous- Eight 6" pipe sluices--	240	240	
			3570

NO:4. Distributary from the right sluice of drop NO:6 at 2 miles 140 feet

2. Land- Compensation for land---	304	304
4. Falls and Weirs-Three 4½ ft: drops--	990	
Four 7 feet drops--	1680	
		2670

Public Works (1897) Department.

CURRENT No. 3620

Order

361
3|29

From

The Chief Engineer for Irrig

No. 89 I

Dated 20th March 1897

Received 8.4.97

Enclosures 54 (16 plans)

Spare copies –

SUBJECT.

12th Branch Channel Peri Project works - Note by the Chief Engineer for Irrigation submitting for sanction Estimates for the distributaries of –

			3570
12. Earthwork-Excavation---	1496		
Cart Ramp----	10	1506	
15. Miscellaneous-Fifteen 6" pipe sluices-----	450		
Irrigation Sluice at 0.m 4000 ft:------	140		
		590	5070
NO: 7. Distributary from proposed head sluice at 5 m and 4100 feet.			
2. Land- Compensation for land----------	218	218	
4. Falls & Weirs- Four, 7 ft: drops---	1680	1680	
12. Earthwork-Excavation------	902	902	
15. Miscellaneous- Nine, 6" pipe sluices-----	270		
One head sluice------	150		
		420	3220
Total I Works-------------			11,860
II Establishment----			2,563
III Tools and Plant-			77
Total estimate			14,500

A.H. 6.4.97

2. This sanction is registered as NO: 6. I. of 1897-98 and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

Endorsement.

No. 362 I of 13.4.97

Forwarded.

W.H. 2/4/97

F.E.D. 13/4/97

13/4/97

Regd 14/4/97

To

The Chief Engr: for Irrigation.

" Supg: Engineer, Sixth circle. with 49 enclos

" Examiner, P. W. Accounts.

F. I. Form No. 1—1,000—27-11-96.

1/4/97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

BACK PAPERS.	
No.	Date.

FURTHER PAPERS.	
No.	Date.

E. I. Form No. 22—2,000—8-8-96.

Urgent

GOVT. OF MADRAS. } 1897. { P. W. DEPT.

CHIEF ENGINEER FOR IRRIGATION.

CHIEF ENGINEER FOR IRRIGATION. 29 MAR. 1897 No.

Madras, 24 March 1897.

EXAMINER, P. W. ACCOUNTS. 24 MAR. 1897 No.

OFFICE NOTE No. 88

Circulation Register.

To	From	Despatch Date.	Receipt Date.
C/	E. J	24. 3. 97	

6 P

KEEP-WITH.

No. , dated 189 .

The construction estimate for the Periyar project will be closed on the 31st inst. As it is essential that the estimates for distributaries connected with the project should be sanctioned without delay, please let me know if the local Govt can deal with the estimates under Code II, Ch: V, para 35, rule V, before the

schedule prescribed in rule III of the above para is submitted to & approved by the Govt of India.

2. If a definite reply cannot be given, a reference by wire to the Accountant Genl, P.W.D., is suggested as the matter is urgent.

W.H.

[illegible]

KCIS
26/3/97

R 61

No 1032 D/B dated 29th March 1897

To E.I.

The rules on the subject being indefinite, I have addressed the Accountant General P.W.D. by wire and his reply is that "Local Governments may sanction additional new works, Periyar Project before submission of Schedule" referred to in rule III of para 35 of Code II. V. quoted by you.

E 29.3.97

C.

[illegible] 29/3/97

KCIS
29/3/97

O.W.S. 564
3620/97

[illegible] 31-3-97

5-P

NO: 89. I.

Note by the Chief Engineer for Irrigation.

NO:3 Distributary channel from the left sluice of drop NO:5 at 1 mile 1620 ft: XII Branch Channel.
NO:4. Distributary channel from the right sluice of drop NO:6 at 2miles 140 ft: XII Branch Channel.
NO:7 Distributary channel from the proposed head sluice at 5 mile 4100 ft:XII Branch Channel.

The marginally noted esti-mates are submitted to Govern-ment for sanction. As there is no provision for distributaries in the sanctioned estimate for the Project the works must be re-garded as supplementary.

The channels though only 3 ft: wide are very expensive owing to the large number of drops Thus NO:3 which has a length of 6300 ft: and will irri-gate 400 acres has 5 drops, NO:4, 9000 ft:long for the ir-rigation of 720 acres has 7 drops and NO:7, 7300 ft:long for the irrigation of 600 acres has 4 drops. The cost of the distributaries comes to Rs 7 per acre. Apparently this cannot be helped but instructions will be given to study economy as far as possible. The cost of the larger channels will be proportionately smaller.

W. Hughes

Chief Engineer for Irrigation.

MADRAS

20th March 97.

To

The Joint Secretary to Government,

Public Works Department,

Irrigation Branch.

Public Works (1897) Department.

CURRENT No. 23 M.D.

Order

From

the Supdg Engineer VI Circle

No. 209 M.D.

Dated 12' February 1897

Received

Enclosures 19

Spare copies

SUBJECT.

12 Branch Channel Periyar Project Works Submitting for sanction estimates for the distributaries of —

Public Works (1897) Department.

CURRENT No. 23 M.D

Order

From The Suptg Engineer V Cir

No. 209 M.D.

Dated 12' February 1897

Received

Enclosures 19

Spare copies

SUBJECT.

12 Branch Channel Periyar Project Works Submitting for sanction estimates for the distribu of —

No. 110/E
18.1.97

Report to accompany Estimate for No 3 Distributary from the left Sluice of Drop No 5. 12" Branch channel.

4 8p

20 JAN. 1897
P.W.D.
SIXTH CIRCLE.

3570

Amount of Este Rs ~~3190~~

The distributary will irrigate the dry lands on either side & the Ayacut of Kakkani kulam which it will supply.

Enclosures
3 Tracings
1 Este

It is designed with M.W.L. to carry in two weeks a three months supply to the tank while supplying current needs. This will irrigate 400 acres of dry land and will be maintained.

The works will be carried out in accordance with the specifications and ~~best~~ practice in the Department.

F W Smyth
Executive Engineer
Spel Periar Works

Report to accompany Estimate for No 7 Distributary from the proposed Head Sluice at 5 miles 4100 feet XII Branch Channel

No. 112
18-1-97

288

SUPG. ENGINEER'S OFFICE,
No. 228
20 JAN. 1897
P.W.D.
SIXTH CIRCLE.

Amount of Estimate Rs. ~~3220~~ 3250 ~~342~~ 10

The distributary will irrigate the dry lands on either side and the ayacut of Sattamangalam Kommoyi which it will supply & which will be maintained

It is designed with M. W. L. to carry in two weeks a three months supply to the tank while supplying current needs. The Distributary is proposed to be maintained.

Enclosures
~~5~~ Tracings
1 Esto
6.

The work will be carried out in accordance with the Specifications and the best practice in the Department

T. W. L. Smyth
Executive Engineer
Special Periar Works

CHIEF ENGINE[ER]
FOR IRRIGATION
11 FEB 97
No. 23 Recd
13

Oc. 36 / 3620 (97

Report to accompany Estimate for No 4 Distributary from the right Sluice of Drop No 6 at 2 miles 140 feet XIIB. Chl

Amount of Estimate Rs. 5070 5020

The Distributary will irrigate the dry lands on either side and the ayacut of Periamelam kommoji which it will supply.

It is designed with M.W.L to carry in two weeks a three months supply to the tank while supplying current needs. It also supplies Puliangulam for which a masonry sluice at 0 mile 4500 feet is designed & will be maintained

The work will be carried out in accordance with the specifications and the best practice of the Department

T W L Smyth
Executive Engineer
Special Periarlonk

Enclosure
1 Tracings
1 Estimate
8

CHIEF ENGINEER
FOR IRRIGATION.
11 FEB. 97
No. 23 Ind

27

OWE.15
3620/97

No. 209 M.O.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 12th February 1897.
O/132

From

Lt Col. O. V. Boddy R.E.
~~The~~ Sperintending Engineer,
6th Circle.

18

To

The Chief Engineer,
for Irrigation
Madras.

SIR,

19 ENCLOSURES.

I have the honor to forward for sanction the marginally noted estimates together with plans for works connected with the Distributaries of the 12° Branch Channel, Periyar Works.

A statement attached to each estimate gives the necessary hydraulic information &ca.

(1) No: 3. Distributary channel from the L.S. of drop No: 5 at 1 mile - 1620 feet. XII Branch Chl. Estc. Rs 3,570

(2) No: 4 - Do - Do - from the R. Sluice of Drop No: 6 at 2 miles + 1140 ft. XII Branch Channel. Estc. Rs 5,070

(3) No: 7 - Do - Do - from the proposed Hd Sluice at 5 M. 4100 ft. 12. Branch Channel Estimate Rs 3,220

I have the honor to be
Sir
Your most obedt. Servant.

O. V. Boddy Lt Col. R.E.
Supg Engineer, VI Circle

250—20-4-96

12/2

Enclosures —

P. W. D. 6th CIRCLE,

FROM
THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

TO
THE CHIEF ENGINEER,

CHIEF ENGINEER
FOR IRRIGATION.
11 FEB. 97
No. 28. Md

NO.

Dated. }
Received. } , 189 .

Enclosure,

Enclosures: 19.

No: 3. Distributary

1. Survey map
1. Level Section
1. Plan of drop
1 — do — of pipe sluice
1. Estimate with report &ca

5

No: 4 Distributary

1. Survey map
2. Sheets of Level Sections
2. Plans of drops
1. Plan of masonry sluice
1 — do — of pipe sluice
1. File of Estimate complete

8

No: 7 Distributary

1. Survey map
1. Sheet of Level Section
1. Plan of drop
1 — do of masonry sluice
1 — do — of pipe sluice
1. File of Estimate complete

6

Cur. 5. 53
3620 (9)